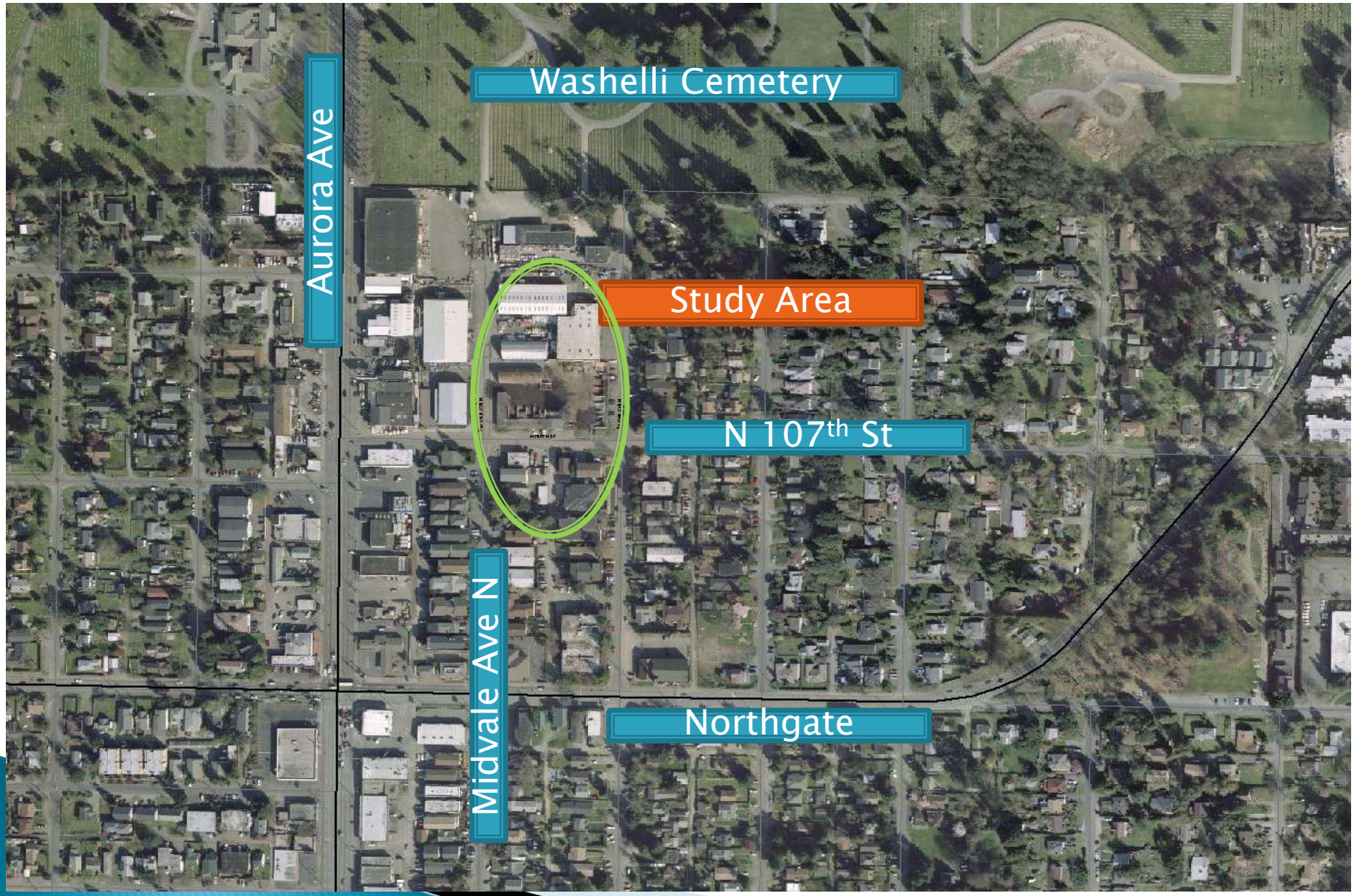
Midvale Stormwater Facility

30% Design Meeting

Seattle Public Utilities

Community Meeting #2
October 2010

N 107th St & Midvale Ave N. Study Area

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N
107th
St
Aurora
Ave
Condo
/ Apt
Condo
/ Apt
Northgate
Way

Oak Lake – 1897

December 2007 Flood Photos

N 107th St between Midvale Ave N and Stone Ave N

SE corner of Midvale & N 107t St

December 2007 Flood Photos

Daylight basement apartments
On Midvale south of N 107th St

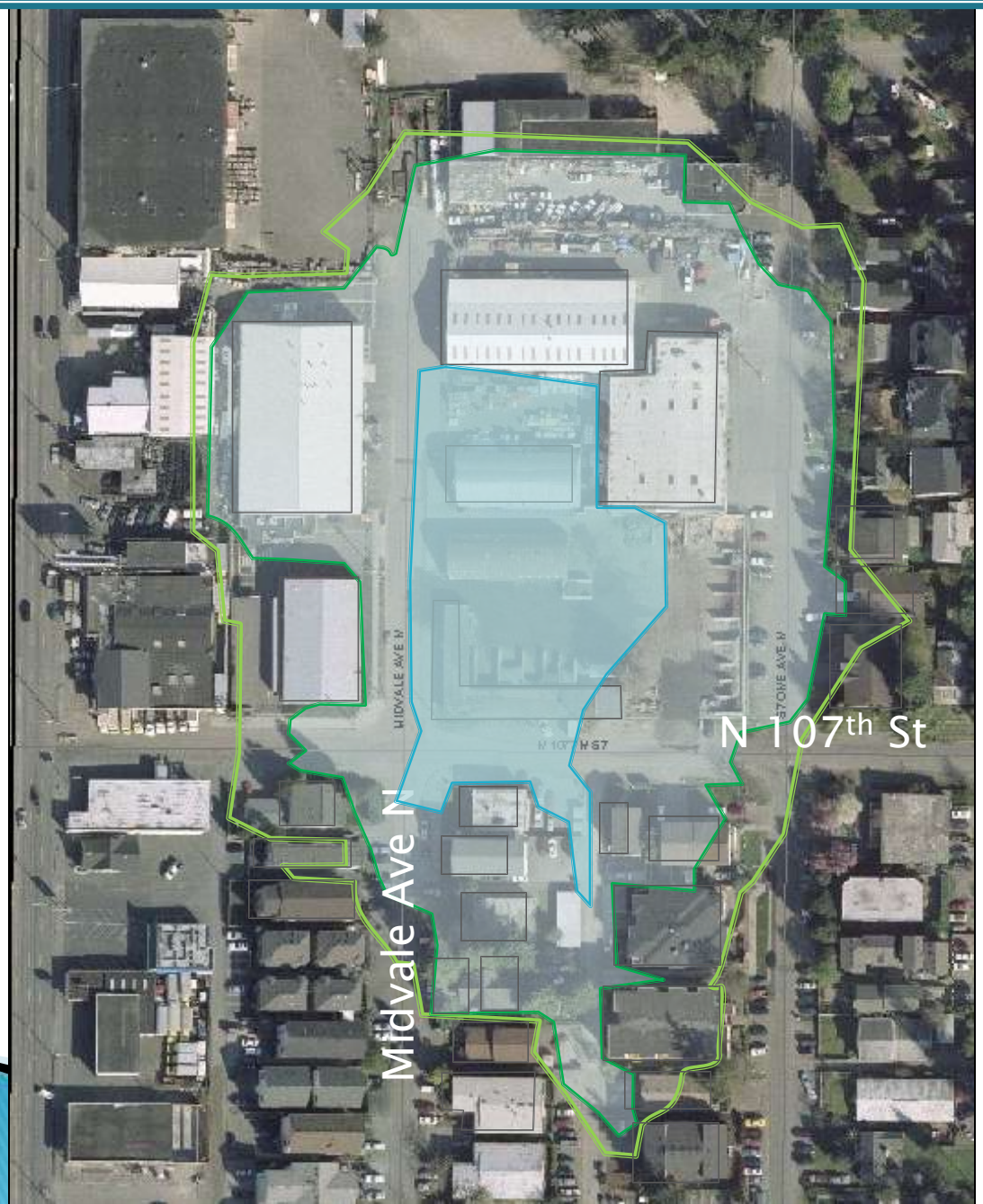
Intersection of Midvale & N 107th St

December 2007 Flood Photos

Condo parking garage off alley between Stone & Midvale south of N 107th St

Alley between Stone & Midvale South of N 107th St

Existing Conditions – Flood Prediction Map



Storm

10-yr

25-yr

Dec 07

Existing Building at Proposed Pond Site

Existing Building at Proposed Pond Site

Initial Concept (January 2010) for Midvale Stormwater Facility

Flat area grass w/ shrubs

Sloped area w/ shrubs

Facility may fill up with 7 ft of water 2-3 times every decade.

Facility reduces but does NOT eliminate flooding.

Ashworth Pond – existing stormwater pond located ½ mile north

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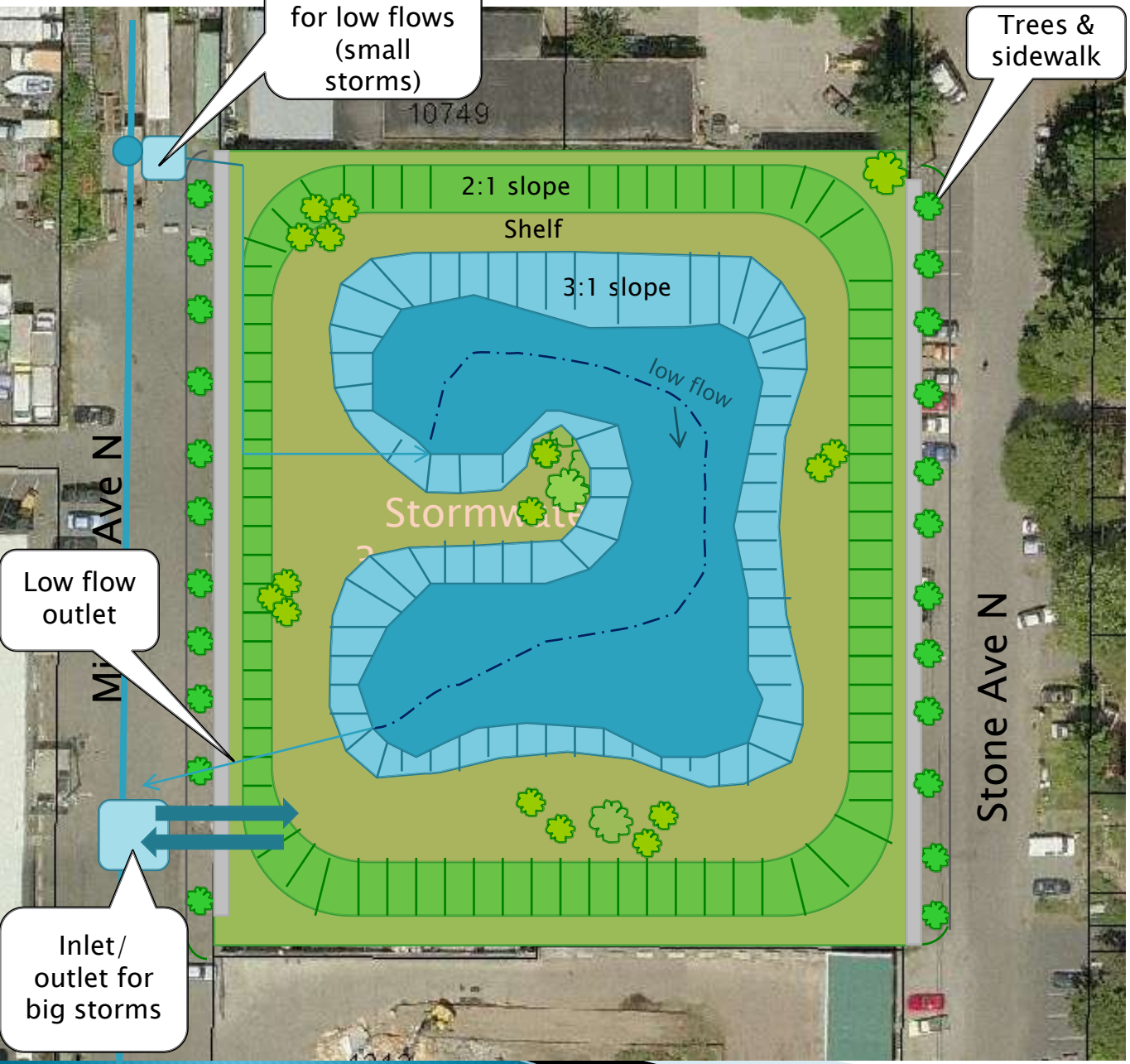
Initial Concept for Midvale Stormwater Facility

Flat area grass w/ shrubs

Sloped area w/ shrubs

Facility may fill up with 7 ft of water 2-3 times every decade.

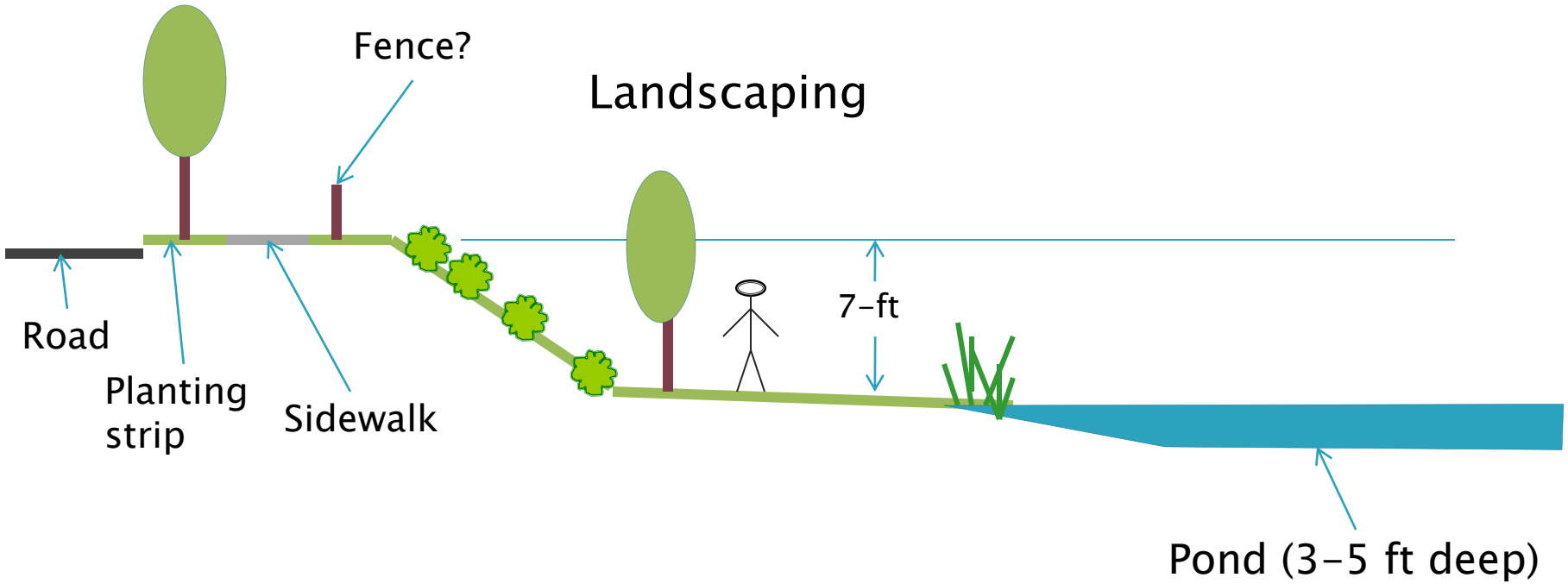
Improved Concept for Midvale Stormwater Facility



- Flat area grass w/ shrubs
- Sloped area w/ shrubs
- Shallow water
- Deep water (3 ft)

Facility may fill up with 7 ft of water 2-3 times every decade AND

Facility will provide water quality treatment for most storm events.



During very large storms, the facility can temporarily fill with an additional 7-ft of water over approximately 4 hours.

The stormwater pond could look something like this.

Water Quality Pond

When it rains, the pond will always get some stormwater runoff. The pond will get a few inches deeper during most storms.

Pollution in the stormwater can settle to the bottom of the pond.

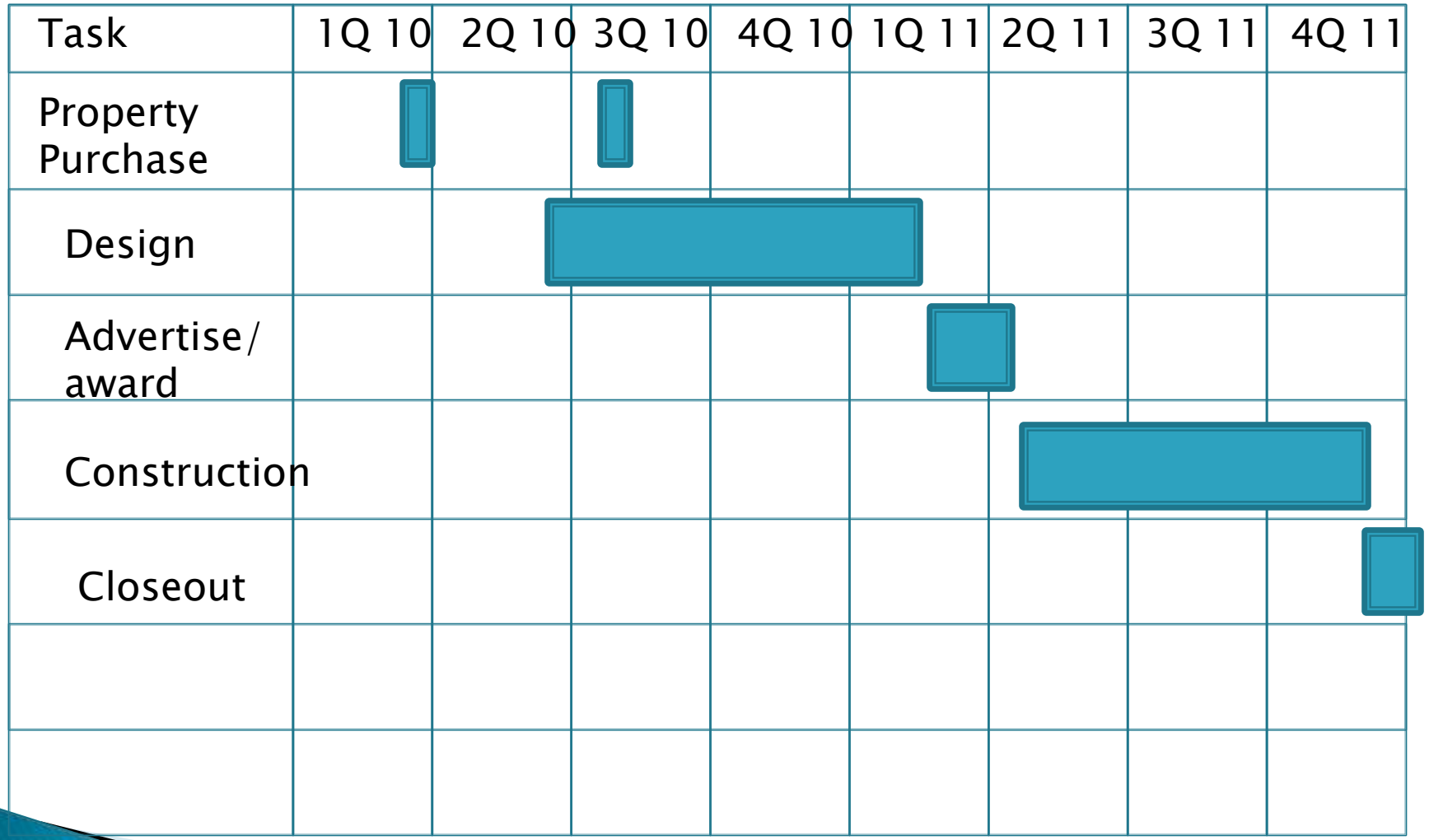
This prevents some pollution from entering Lake Union.

Every decade or so, the pond will be drained and the collected silt and sediment will be removed.

Examples of Stormwater Ponds

Stormwater Pond at High Point in West Seattle

Midvale Stormwater Facility: Current Schedule



Project Budget (October 2010)

Property	$5M
Design	$300K
Construction (SPU)	$200K
Contractor	$3M
Contingency	$1M
Total	$9.8M

Potential Challenges/Issues

- Is the community on board with this project?
- Striking the right balance between storm water detention and open space at the site
- Is fencing needed?
- Adjacency to Aurora Ave and informal "transfer station"

Next Steps

- Continue working on design
- Complete the environmental checklist
- Final community meeting in early 2011
- Questions/concerns: contact Chris Woelfel, project manager (684-7599) or chris.woelfel@seattle.gov